

Converting Colors

XYZ(67.7746, 74.1006, 11.4942)

Have a look what the booklet for
XYZ(67.7746, 74.1006, 11.4942)
contains.

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Color

**XYZ(67.7725, 74.0933,
11.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDF16
RGB	255, 223, 22
RGB Percent	100%, 87%, 9%
CMY	0.0000, 0.1255, 0.9137
CMYK	0.00, 0.13, 0.91, 0.00
HSL	52°, 100%, 54%
HSV	52°, 91%, 100%
XYZ	67.7725, 74.0933, 11.4885
YIQ	209.6540, 83.5930, -55.7270

Conversions

Conversions Part 2

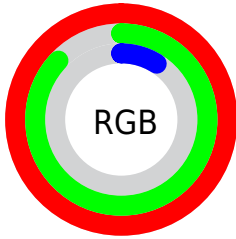
Format	Color
R_{YB}	59, 255, 22
Decimal	16768790
CIE _{Lab}	88.97, -5.75, 86.47
CIE _{LCh}	89, 86.661, 93.804
Yxy	74.0933, 0.4419, 0.4832
Android (android.graphics.Color)	4294958870 (0xFFFFDF16)
YUV	209.6540, -92.5134, 39.7684
Hunter-Lab	86.0775, -10.0948, 52.3410

Details

The XYZ color **67.7725, 74.0933, 11.4885** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **19.7007, 10.0299, 95.5046**, and the grayscale version is **61.5836, 64.7907, 70.5571**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **35.9950, 39.3427, 5.6968** is the 20% darker color. If you saturate the color by 10%, you get **66.8286, 72.4376, 10.4596**, and if you desaturate by 10%, it is **69.0981, 76.1389, 13.7988**.

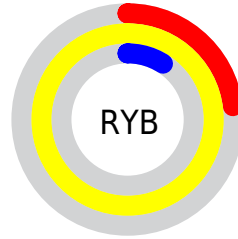
Distribution



Red (100%)

Green (87%)

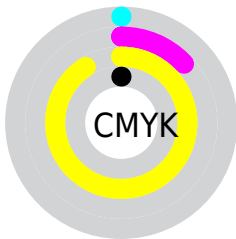
Blue (9%)



Red (23%)

Yellow (100%)

Blue (9%)

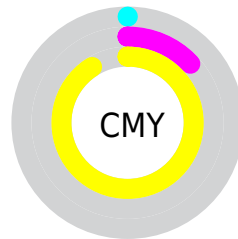


Cyan (0%)

Magenta (13%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7725, 74.0933, 11.4885 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 67.7725, 74.0933, 11.4885 by changing the saturation by 10% instead.


 67.7725, 74.0933,
11.4885


 67.7725, 74.0933,
11.4885


442.0789,
474.7953, 211.8453

 49.9857, 54.8704,
6.2781


 115.0703,
125.0281, 29.2103

 35.6198, 39.2980,
2.9434


 145.3120,
157.5087, 42.5589


 24.3094, 26.9916,
1.0658


 180.4361,
195.1774, 59.4573

 15.6893, 17.5669,
0.0000

 220.8078,
238.4185, 80.3240

 9.3940, 10.6395,
0.0000

 266.7927,
287.6165, 105.5776

 5.0582, 5.8250,
0.0000

 318.7559,

 2.3166, 2.7390,

343.1557, 135.6367

0.0000

377.0628,
405.4205, 170.9197

■ 0.8031, 0.9970,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7725, 74.0933,
11.4885

■ 67.7725, 74.0933,
11.4885

■ 66.8286, 72.4376,
10.4596

■ 69.0981, 76.1389,
13.7988

■ 70.7424, 78.3403,
17.6990

■ 72.7527, 80.7194,
23.4296

■ 75.1668, 83.2915,
31.1895

■ 78.0177, 86.0699,
41.1517

■ 81.3347, 89.0667,
53.4708

■ 85.1448, 92.2928,
68.2873

■ 89.4726, 95.7581,
85.7308

94.3411, 99.4721,
105.9219

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8400, 74.0933, 14.9666



67.7725, 74.0933, 11.4885



50.2234, 74.0933, 17.6097

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7725, 74.0933, 11.4885



41.8658, 74.0933, 163.8567



113.3320, 74.0933, 143.4111

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.7725, 74.0933, 11.4885



19.7007, 10.0299, 95.5046

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.4219, 74.0933, 220.3759



67.7725, 74.0933, 11.4885



54.0278, 74.0933, 235.7461

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7725, 74.0933, 11.4885



37.2712, 74.0933, 88.6114



73.1427, 74.0933, 260.3641



119.0095, 74.0933, 73.2273

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7725, 74.0933, 11.4885



42.5544, 74.0933, 29.7641



73.1427, 74.0933, 260.3641



108.3883, 74.0933, 170.2934

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.7742, 74.0969, 11.4900



82.9367, 90.4471, 59.6248



42.2645, 22.1294, 5.9101



17.4821, 19.1276, 11.7233



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7742, 74.0969, 11.4900



66.8291, 72.4382, 10.4597



53.2392, 80.5137, 13.4946



19.3360, 20.6402, 19.1092



35.0018, 38.0149, 5.4928



3.4641, 3.8136, 0.5535

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.7007, 10.0299, 95.5046



18.6515, 8.4230, 95.2505



23.9952, 10.7113, 95.4098



17.2041, 17.7798, 22.7750



9.8067, 4.5230, 49.7907



1.0133, 0.5574, 4.8674

Previews

White Background



This preview shows how the XYZ color 67.7725, 74.0933, 11.4885 looks on a white background.

Color Contrast Check

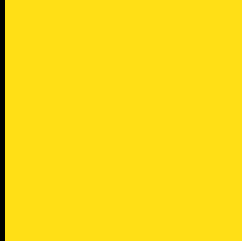
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 67.7725, 74.0933, 11.4885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7725, 74.0933, 11.4885

Background



This preview shows how black text looks on a background with the XYZ color 67.7725, 74.0933, 11.4885.



This preview shows how white text looks on a background with the XYZ color 67.7725, 74.0933,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.7725, 74.0933, 11.4885

Protanopia

66.9454, 74.0647, 11.5266

Deuteranopia

73.0122, 74.0831, 45.5733



Tritanopia

78.1028, 73.6747, 79.9162

Trichromacy



Original Color

67.7725, 74.0933, 11.4885

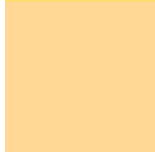
Protanomaly

67.3085, 74.2519, 11.5436



Deuteranomaly

69.7578, 73.6163, 25.8620



Tritanomaly

71.3009, 72.5737, 39.1043

Monochromacy



Original Color

67.7725, 74.0933, 11.4885



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

60.5470, 66.7226, 35.2788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7725, 74.0933, 11.4885 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 223, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 22)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 223, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 22) }
```

Border

The CSS property to change the border of an element to XYZ 67.7725, 74.0933, 11.4885 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 223, 22) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 223, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 223, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7725, 74.0933, 11.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 22) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
223, 22) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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